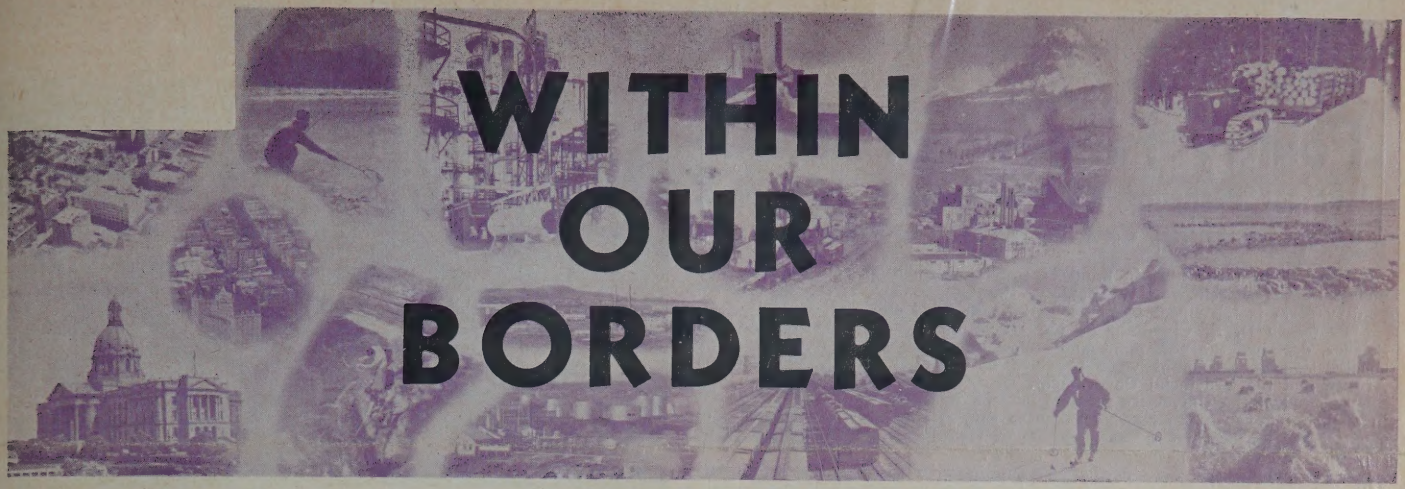


VOL. 1 EDMONTON, JANUARY 15, 1949 No. 8

Across Oldman River

South Traffic Span Opened

New 24-foot-wide Bridge Will Expedite Lethbridge-Macleod Transport

One of the finest highway traffic bridges in Alberta was opened Monday, January 10, by Premier Ernest C. Manning and the Hon. D. Bruce MacMillan, Minister of Public Works. Located just west of the city of Lethbridge, the new bridge will carry the main north and south traffic over the Oldman River. It forms part of Highway No. 4, which runs from the International Boundary at Coutts to Macleod, where it joins Highway No. 2 running to Edmonton.

Shortened somewhat by cold temperatures, the ceremony was attended by more than 200 officials and citizens of Lethbridge and district, as well as representatives from the State of Montana.

Introduced by E. R. McFarland, retiring president of the Lethbridge Chamber of Commerce, Mr. MacMillan briefly reviewed the history of the new structure.

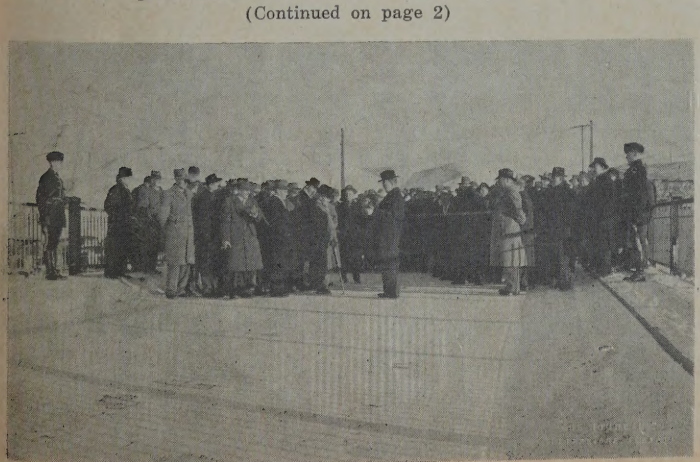
Constructed to Canadian Engineering Standards Association specifications the new continuous steel girder bridge is more than 800 feet long, has a roadway 24 feet wide, and was designed to take a load of two 20-ton trucks abreast. Layout and design details were supervised by N. W. MacPherson, former highway commissioner and bridge engineer now Deputy Minister of Public Works for British Columbia. Mr. MacPherson was assisted by L. B. Grimble, now bridge engineer.

Construction of the $325,000 bridge was handled in three stages and required more than a year and half to complete. The O'Sullivan Construction Co., Lethbridge, handled the $105,000 contract for the substructure which contains 2,315 cubic yards of concrete, was started in March 1947 and completed in January, 1948. Consisting of abutments and seven piers, five of which rest on solid rock and two on timber pilings, the substructure is of reinforced concrete throughout. Hugh C. Ritchie, Macleod was resident engineer during construction of this portion of the bridge.

While excavation work for the piers was underway the crew discovered a number of old mine cars and coal miners' tools deep below the riverbed. These may have been left in some long-abandoned and collapsed mine shaft but it is more likely that they were deposited there after having been washed downstream in the flood of 1908.

Due to delay in steel deliverv erection of the superstructure did not commence until July, 1948. Working at top speed an Alberta Government steel crew, under Bridge Foreman Don. W. Brown, completed the steel work by September. The Dominion Bridge Co., Winnipeg, supplied and fabricated the $127,000 superstructure which contains 1,097,000 pounds of steel. Chief

(Continued on page 2)



Premier cuts ribbon to open bridge for traffic . . .

Colorful Ceremony

Will Open Next Session

First Meeting of New Legislature to Start On February 17th

Thursday, February 17, the Eleventh Legislature of the Province of Alberta will meet in session for the first time since the August general election. Elected representatives from 47 single-member constituencies and five each from Edmonton and Calgary will gather in the Legislative Buildings in Edmonton for the colorful ceremonies marking the event.

The ceremonies will begin with a fifteen-gun salute, the saluting battery firing the first round shortly after 2:30. At approximately 2:45, His Honour, Lieutenant Governor John Campbell Bowen will arrive at the Legislative Building, accompanied by an aide de camp. He will be joined by senior officers of the Navy, Army and Airforce units stationed in Edmonton, together with representatives of the R.C.M.P. and the city police. The guard of honor will be inspected, after which the Lieutenant Governor will retire to his chambers on the third floor.

Meanwhile in the Assembly Chamber ceremonies preliminary to the actual opening will be going forward. This being the first session of a new Legislature, the procedure will vary considerably from the openings on other occasions. With members and invited guests seated on the floor of the House, R. A. Andison, Clerk of the Legislative Assembly, will read the Proclamation calling the session. This is signed by the Provincial Secretary, Hon. C. E. Gerhart. Then, as Clerk of the Executive Council, Mr. Andison will read the names of duly elected members, together with their constituencies, after which the Clerk and Premier Ernest C. Manning will visit the Lieutenant Governor's Office to inform him that all is in readiness.

The Lieutenant Governor then will enter the Assembly Chamber and take his seat on the throne, following which the Provincial Secretary will inform the Assembly that he has been commanded by His Honour the Honourable the Lieutenant Governor to inform them that he does not see fit to open the proceedings until a Speaker has been chosen. The Lieutenant Governor then retires from the Assembly.

Speaker Is Nominated

Premier Manning then will nominate a Speaker, and after being seconded, if there are no further names proposed, the Clerk of the Legislative Assembly will declare that the member named has been duly appointed according to law.

The newly-appointed Speaker then will leave and, attired in his robes of office, will re-enter the Assembly accompanied by his mover and seconder, after which he will thank the members for the honor conferred upon him. The Speaker then will take his seat and the Sergeant-at-Arms will place the mace upon the table.

His Honour the Lieutenant Governor will return to the Chamber and being seated, will be addressed by the Speaker in these words:

"May it please your Honour, the Legislative Assembly have elected me as their Speaker, though I am but little able to fulfil the important duties thus assigned to me. If in the performance of those duties I should at any time fall in error, I pray the fault may be imputed to me and not to the Assembly, whose servant I am, and who, through me, the better to enable them to discharge their duty to their King and Country, hereby claim all their undoubted rights and privileges, especially that they may have freedom of speech in their debates and access to your person at all suitable times; and that their proceedings may receive from you the most favourable construction".

This will be acknowledged by the Provincial Secretary in that he has been commanded by the Honourable Lieutenant Governor to assure them that he has no doubt their proceedings will be conducted with wisdom, temper and prudence, and further that the Assembly shall indeed have access to His Honour upon all suitable occasions.

(Continued on page 2)

In This Issue

- South Bridge Opened . . .
- Ceremony Opens Legislature
- U. of A. Poultry Farm . . .
- Ernest Brown Collection . . .
- Immigration in 1948 . . .

Covers 35 Acres

Poultry Farm at U. of A.

Finest Plant of Kind in Canada Provides Teaching and Research Facilities

Erected with the idea in mind of providing facilities for teaching and undertaking research work in poultry, the 35-acre University of Alberta poultry farm is the finest plant of its kind in the Dominion.

Professor D. R. Clandinin of the University's Department of Animal Science, designed the new plant and supervised its construction. Funds for construction of the plant were provided by the Department of Veterans Affairs and the Provincial Government.

Located at the University farm in South Edmonton, the plant is laid out in such a manner as to provide separate ranges for pullets, cockerels and turkeys and permits a two-year rotation of ranges. Buildings on the plant fall into two classes, permanent and colony.

First among the four permanent buildings so far constructed is the 20' x 40' office building. An office-record room takes up one half of the main floor while living quarters occupy the remaining space. The central heating unit, which provides heat for all the permanent buildings, is situated in the basement of the office building. Storage rooms and additional living quarters also are located here.

The laying, breeding and brooder houses are gable roof type buildings ranging in size from 20' x 160' to 20' x 180'.

In the laying house the first 20 feet comprises a feed and storage room. The next 120 feet is taken up with three 20' x 40' laying pens. The last 40 feet is a classroom. Each laying pen is insulated from the adjacent pens and subdivided into two 20' x 20' pens by a board and wire partition. For experimental purposes the laying section of this house has been equipped with both King and Slot systems of ventilation. The pens and the classroom are heated by radiant floor heat supplied through hot water pipes set 17 inches apart and two to three inches deep in the cement floor.

Well-Equipped Classroom

The classroom is illuminated with fluorescent fixtures to provide sufficient light for student caponizing work. It is equipped with collapsible tables and cages for culling and judging work and with finishing batteries, a plucking machine and cooling rack for market poultry work. Ventilation is by ceiling outlet and exhaust fan.

The breeding house is of similar construction and contains twelve 10' x 14' pens, a 20-foot feed and storage room and a 20-foot garage for the farm truck and tractor. This building is also equipped with a radiant floor heating system.

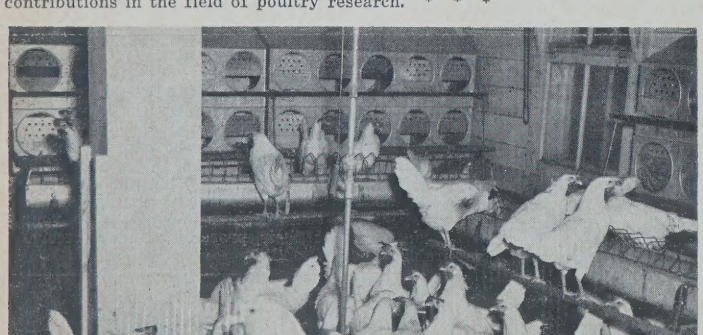
A storage and equipment repair shop occupies the first 20 feet of the brooder house. Adjacent to this are twelve 10' x 14' brooding pens flanked by a five-foot alley. The remaining 40 feet of this building is occupied by the finishing battery room. Radiant floor heat maintains any desired temperature in the various parts of this building. The brooding pens are equipped with wired forcing roosts, glass and metal drinking fountains, metal feeders and grit and shell hoppers of wood. Each 20-foot section has a floor drain and the entire brooding portion is provided with a 12-foot-wide sun porch. The 40-foot battery room is fitted with 12 finishing batteries, a large exhaust fan and floor drains.

Under construction at the present time is a 40' x 50' incubator-battery building. It will have a thermostatically controlled starting battery room, laying battery room and egg storage room. In addition it will have an incubator room, a room for heating, cooling and ventilating equipment and a small experimental feed mixing room. The starting battery room will be equipped with four Petersime starting batteries, the usual weighing tables and a sink. The laying battery room will have a 96-bird Jamesway laying battery while the incubator room will have a 5,000 Jamesway and 25,000 Chickmaster incubator plus candling benches, egg wagons and a chick box rack

The feed mixing room will have balances, scales and mixers suitable for handling small scale experimental feed mixing. Large scale grinding and mixing for the poultry farm is handled at the Animal Science Farm elevator.

Permanent staff of the poultry farm is made up of four full-time workers under the direction of B. Suddards, head poultryman. When needed, additional help is hired from the student body.

The farm, designed to provide excellent facilities for teaching and research work in poultry husbandry, is ample proof that the University of Alberta is doing everything possible to turn out graduates in agriculture who are better trained in the field of poultry husbandry and also to make it possible for Dr. Clandinin and his co-worker, Dr. A. R. Robblee to make substantial contributions in the field of poultry research. * * *



The U. of A. poultry farm is modernly equipped . . .

SOUTH TRAFFIC SPAN . . .

(Continued from page 1)

This modern bridge replaces the partially dissembled span in the background . .

feature of the superstructure is the continuous girders with curved soffits, shallow arches, which give the bridge a graceful, modern appearance.

The reinforced concrete deck of the bridge rests on two continuous ste girders spaced 23 feet apart. It contains 600 cubic yards of concrete. Tl girders are fixed on the centre pier and have rollers between them and ea of the other piers. The roller nests on the piers, which allow for expansi and contraction brought about by the extreme temperature changes comm to Alberta, are ingenious in that they are completely enclosed to affo protection from the elements and reduce maintenance costs. Work on t deck commenced in October and was completed early in November. In t near future an asphalt surface will add the finishing touch to the roadwa At the same time the steel work will be given several coats of protecti paint.

Approaches to the new bridge are a considerable improvement on tho servicing the old bridge. Alignment of the road with the bridge has elimi ated the sharp curves which delayed traffic over the former bridge a widening and surfacing also has been carried out. The necessary fill a dirt work for these improvements was handled by Frank Anderson, Le bridge, at a cost of more than $10,000.

In designing the new bridge, allowance was made for the fact that touris frequently stop to photograph the great C.P.R. trestle, 1,000 feet upstrea and the surrounding countryside. Sidewalks run along each side and with overhead girders to limit the view, camera fans and sightseers are free shoot pictures and gaze to their hearts' content.

Located some 500 feet upstream from the old through truss bridge whi was built in 1903-04, while Alberta was still a part of the North We Territories, the new bridge eliminates one of the worst bottlenecks in Alberta highway system and is the most modern structure in the Province. Capab of handling a continuous two-way stream of traffic, it will do much facilitate commercial, local and tourist traffic to and from Lethbridge.

Also introduced by Mr. McFarland, Premier Manning said he was gl of the opportunity to officiate at the opening of the new bridge. "While construction had been long delayed," he said, "the new bridge will serve t needs of the area and of the Province of Alberta for many years to come "It gives me great pleasure," continued the Premier, "to declare this brid officially open."

Opening of the new bridge was part of a full afternoon and evening ceremonies arranged jointly by the junior and senior sections of the Lethbrid Chamber of Commerce. Prior to cutting the ribbon at the bridge, a handson stone cairn was unveiled at the north end of the Lethbridge Viaduct by J. Iv MacKay, General Manager, Prairie Division of the Canadian Pacific Railwa On the cairn is mounted a bronze plaque which bears the following inscriptio

"Rising 307 feet from the valley floor this bridge over which runs Canadian Pacific Railway through the Crowsnest Pass spans the valley in one mile and forty-seven feet. Completed in 1909 it is the longest, highest bridge of its type in the world."

Among those who witnessed the unveiling ceremonies was Fred Jame the engineer who brought the first train across the gigantic structure December 2, 1909.

In brief messages before the unveiling A. W. Shackleford, Vice-Mayor Lethbridge, paid tribute to the C.P.R. and to the junior chamber. "May it sta for years to come as a constant reminder of our faith in southern Alberta he said. Don Rylands, president of the junior chamber, pointed out t value of the bridge as a tourist attraction and the importance of the cai marking the spot in this respect. * * *

WILL OPEN NEXT SESSION . . .

(Continued from page 1)

The Lieutenant Governor then will read the Speech from the Throne containing reference to the legislation which will be dealt with during the present session, and having done so, will retire from the Assembly Chamber. A bill will be introduced and having been received will be read for the first time. This will be followed by Select Standing Committees being named and a Special Committee being appointed to prepare lists of members to serve on the Standing Committees thus named.

The House then will adjourn to meet again at 3:00 the following day. * * *

"Within Our Borders" is a publication designed to acquaint the people of the Province with the administration and services of the Alberta Government.

It is believed the many and varied services of the Government will be effective in the degree they are known and used. Any material used is for immediate republication.

Correspondence concerning the publication should be addressed to the Deputy Minister, Department of Economic Affairs, Legislative Buildings, Edmonton.

Digitized by the Internet Archive
in 2025 with funding from
Legislative Assembly of Alberta - Alberta Legislature Library